

With or Without Disconnected Erections.

STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel. *YES*

Received at London Office *WED. 4 JUL. 1921*

Date of completion of report *12 June 1921*

Survey held at *Oakland, Cal.*

Port of *San Francisco*

Date, First Survey *25th Oct. 1920* Last Survey *3rd June 1921*

No. *3662*

On the (State if Single, Twin, or Triple Screw)

ACARDO

Rig *Schooner*

TONNAGE under

CLASS *100 A.I.*

FEET.

Master *R. Nasbet*

Year of appointment *1921*

Do. between Tonnage Dk. and 3rd and 4th Dk.

Breadth (greatest moulded) *53.08*

FEET.

Built at *Oakland, Cal.*

When built *1921*

Launched *12th March 1921*

By whom built *Union Construction Co.*

Owners *Anglo Saxon Petroleum Co. Ltd.*

Managers

Residence *London*

Port belonging to *London*

Total under Upper Dk. *5250.82*

Do. of Poop *60.00*

Do. of Bridge House *8.01*

Do. of Forecastle *47.01*

Do. of Houses on Dk. *122.03*

Do. of Houses on Dk. *165.02*

Do. above Crown of *5.60*

Engine Room *111.47*

Gross Tonnage *5802.96*

Less Crew Space *276.52*

Less above Crown of *1856.94*

Engine Room *225.13*

Less Navigation Spaces

Register Tonnage *3444.37*

Destined Voyage *London*

If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck

Feet. *412.0*

Inches. *0*

BREADTH—

Feet. *53.1*

Inches. *1*

DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams

Feet. *30.11*

Inches. *11 1/2*

No. of Decks with flat laid *Two*

No. of Tiers of Beams *Two*

as per Rule

Moulded

Do. do.

Do. do.

Do. do.

Do. do.

Second Dk. Beams

Feet. *23.11*

Inches. *11 1/2*

To Bridge Dk.

Round of Upper Dk. Beam, Actual *12 1/2* ins.

Dimensions of Ship per Register, Length *412.0* breadth *53.1* depth *31.0*

Moulded depth, ft. *38* ins. *6*

To Bridge Dk.

Round of Upper Dk. Beam, Actual *12 1/2* ins.

To Upper Dk.

Round of Upper Dk. Beam, Actual *12 1/2* ins.

FRAMING.

NAME, Angles, or [or] Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
AFTER (ANGLE)	7	3 1/2	39	7	3 1/2	39	7
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	43	3 1/2	3 1/2	43	3 1/2
Do. at intermdt. Bkts.	✓	✓	✓	✓	✓	✓	✓
acing of Frames from centre to centre amidships	✓	✓	✓	✓	✓	✓	✓
Do. from #	✓	✓	✓	✓	✓	✓	✓
length to Collision bulkhead	✓	✓	✓	✓	✓	✓	✓
Do. in peaks	24	✓	24	✓	✓	✓	✓
VERSE FRAME, Angles	3 1/2	3	39	3 1/2	3	39	3 1/2
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	50	3 1/2	3 1/2	50	3 1/2
Do. at intermdt. Bkts.	✓	✓	✓	✓	✓	✓	✓
ACING, depth of girder	SEE PAGE 4	✓	✓	✓	✓	✓	✓
ORS, depth and thickness of Floor Plate	✓	✓	✓	✓	✓	✓	✓
at mid-line for 1/2 length amidships	✓	✓	✓	✓	✓	✓	✓
in way of Engine and Boiler Spaces	✓	✓	✓	✓	✓	✓	✓
thickness at the ends of vessel	41	✓	41	✓	✓	✓	✓
depth at 1/2 the half breadth, as per Rule	✓	✓	✓	✓	✓	✓	✓
height extended at the Bilges	✓	✓	✓	✓	✓	✓	✓
ORS in Cell, Double Bottoms, ENG. SP.	53	✓	53	✓	✓	✓	✓
state if flanged (top & bottom)	NO	✓	✓	✓	✓	✓	✓
Spacing of Solid floors	26 1/2	✓	26 1/2	✓	✓	✓	✓
IRE GIRDER, in Dbl. bottom, dpth. & thcknss.	77 x 39	✓	77 x 39	✓	✓	✓	✓
Angles, Top	3 1/2 x 3 1/2	✓	3 1/2 x 3 1/2	✓	✓	✓	✓
Bottom	6	✓	6	✓	✓	✓	✓
to Floors	3 1/2	✓	3 1/2	✓	✓	✓	✓
Brackets at intermdt. frmg., wdth & thcknss	✓	✓	✓	✓	✓	✓	✓
GIRDERS, number on each side & thickness	1	✓	1	✓	✓	✓	✓
state if flanged (top and bottom)	NO	✓	✓	✓	✓	✓	✓
Angles (top and bottom)	7.5 x 3 1/2	✓	7.5 x 3 1/2	✓	✓	✓	✓
to Floors	3 1/2	✓	3 1/2	✓	✓	✓	✓
IN PLATE, depth (exclusive of flange)	13.30	✓	13.30	✓	✓	✓	✓
and thickness	4 x 4	✓	4 x 4	✓	✓	✓	✓
Angle to Outside Plating	4 x 4	✓	4 x 4	✓	✓	✓	✓
Floors	6 x 6	✓	6 x 6	✓	✓	✓	✓
Brackets at intermdt. frmg., wdth & thcknss	✓	✓	✓	✓	✓	✓	✓
Height of Outside Brackets above at bilge	✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, breadth and thickness of Middle Line Strake	99 x 10.5	✓	99 x 10.5	✓	✓	✓	✓
in Engine and Boiler space	100 x 10.5	✓	100 x 10.5	✓	✓	✓	✓
Remainder in Hold	✓	✓	✓	✓	✓	✓	✓
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	✓	✓	✓	✓	✓	✓	✓
In way of Long Bridge	✓	✓	✓	✓	✓	✓	✓
Spacing	✓	✓	✓	✓	✓	✓	✓
Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	✓	✓	✓	✓	✓	✓	✓
Spacing	✓	✓	✓	✓	✓	✓	✓
Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	✓	✓	✓	✓	✓	✓	✓
Angles on upper edge	✓	✓	✓	✓	✓	✓	✓
Spacing	✓	✓	✓	✓	✓	✓	✓
Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	✓	✓	✓	✓	✓	✓	✓
Angles on upper edge	✓	✓	✓	✓	✓	✓	✓
Spacing	✓	✓	✓	✓	✓	✓	✓
Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	✓	✓	✓	✓	✓	✓	✓
Angles on upper edge	✓	✓	✓	✓	✓	✓	✓
Spacing	✓	✓	✓	✓	✓	✓	✓
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	✓	✓	✓	✓	✓	✓	✓
Angles on upper edge	✓	✓	✓	✓	✓	✓	✓
Spacing	✓	✓	✓	✓	✓	✓	✓

PILLARS.

PILLARS In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
Hold	✓	✓	✓	✓	✓	✓	✓
Quarter 'tween Dks.	✓	✓	✓	✓	✓	✓	✓
in Hold	✓	✓	✓	✓	✓	✓	✓
KEELSONS & STRINGERS.	✓	✓	✓	✓	✓	✓	✓
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate	✓	✓	✓	✓	✓	✓	✓
Rider Plate	✓	✓	✓	✓	✓	✓	✓
Flat Plate Keel Angles	✓	✓	✓	✓	✓	✓	✓
Horizontal Plates on Floors	✓	✓	✓	✓	✓	✓	✓
Angles or Bulb Angles	✓	✓	✓	✓	✓	✓	✓
SIDE KEELSONS, Number	✓	✓	✓	✓	✓	✓	✓
Angles or Bulb Angles	✓	✓	✓	✓	✓	✓	✓
Plate above floors, for length	✓	✓	✓	✓	✓	✓	✓
Intercostal Plate, for length	✓	✓	✓	✓	✓	✓	✓
Attached to outside Plating with Angle	✓	✓	✓	✓	✓	✓	✓
BILGE KEELSON, Angles	✓	✓	✓	✓	✓	✓	✓
Intercostal Plate, for length	✓	✓	✓	✓	✓	✓	✓
Attached to outside Plating with Angle	✓	✓	✓	✓	✓	✓	✓
SIDE STRINGERS, Number	✓	✓	✓	✓	✓	✓	✓
Angle	✓	✓	✓	✓	✓	✓	✓
Intercostal Plate, for length	✓	✓	✓	✓	✓	✓	✓
Attached to outside plating with Angle	✓	✓	✓	✓	✓	✓	✓
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	82	✓	82	✓	✓	✓	✓
br'dth & thickness (in way of Bridge)	6 x 6	✓	6 x 6	✓	✓	✓	✓
Angle (clear of Bridge)	✓	✓	✓	✓	✓	✓	✓
Tie Plate at sides of Hatchways	✓	✓	✓	✓	✓	✓	✓
Deck, Iron or Steel, for FULL lng.	46	✓	46	✓	✓	✓	✓
Thickness (clear of Bridge)	✓	✓	✓	✓	✓	✓	✓
(in way of Bridge)	✓	✓	✓	✓	✓	✓	✓
Wood Deck, Material & thickness	✓	✓	✓	✓	✓	✓	✓
Second Deck Stringer Plate, br'dth & thickness	55 x 44	✓	55 x 44	✓	✓	✓	✓
Angle on ditto, No. ONE	6 x 6	✓	6 x 6	✓	✓	✓	✓
Tie Plates outside Hatchways	✓	✓	✓	✓	✓	✓	✓
Deck, Iron or Steel, for FULL lng.	40	✓	40	✓	✓	✓	✓
Wood Deck, Material & thickness	✓	✓	✓	✓	✓	✓	✓
Third Deck Stringer Plate, br'dth & thickness	✓	✓	✓	✓	✓	✓	✓
Angles on ditto, No.	✓	✓	✓	✓	✓	✓	✓
Tie Plates, outside Hatchways	✓	✓	✓	✓	✓	✓	✓
Deck, Material and thickness	✓	✓	✓	✓	✓	✓	✓
Fourth and Fifth Deck Stringer Plate, br'dth & thickness	✓	✓	✓	✓	✓	✓	✓
Angles on ditto, No.	✓	✓	✓	✓	✓	✓	✓
Tie Plates outside Hatchways	✓	✓	✓	✓	✓	✓	✓
Deck, Material & thickness	✓	✓	✓	✓	✓	✓	✓
Poop Deck Stringer Plate, breadth & thickness	36	✓	36	✓	✓	✓	✓
Angle on ditto	3 1/2 x 3 1/2	✓	3 1/2 x 3 1/2	✓	✓	✓	✓
Tie Plates	✓	✓	✓	✓	✓	✓	✓
Deck, Material and thickness	STEEL	✓	STEEL	✓	✓	✓	✓
Bridge Deck Stringer Plate, br'dth & thickness	40	✓	40	✓	✓	✓	✓
Angle on ditto	3 1/2 x 3 1/2	✓	3 1/2 x 3 1/2	✓	✓	✓	✓
Tie Plates	✓	✓	✓	✓	✓	✓	✓
Deck, Material and thickness	STEEL	✓	STEEL	✓	✓	✓	✓
Forecastle Deck Stringer Plate, br'dth & th'kns	36	✓	36	✓	✓	✓	✓
Angle on ditto	3 1/2 x 3 1/2	✓	3 1/2 x 3 1/2	✓	✓	✓	✓
Tie Plates	✓	✓	✓	✓	✓	✓	✓
Deck, Material and thickness	✓	✓	✓	✓	✓	✓	✓

If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

WS43-0108

WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches per Rule. Or as App.	Inches per Rule. Or as Approved.	FORGINGS or CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.	
WEB-FRAMES, In Fore Body, No. and spacing						KEEL, Bar, depth and thickness				✓
" " " " brdth. & thickness						STEM, moulding and thickness				10 1/2 x 2 3/4 ✓ 10 1/2 x 2 3/4
No. of Side Stringers " "						STERN-POST for Rudder do. do. } STEEL				11 x 8 ✓ 11 x 8
WEB-FRAMES, In E. & B. Space, No. & spacing						" for Propeller } CASTINGS				11 1/2 x 8 ✓ 11 1/2 x 8
" " " " brdth. & thickness						RUDDER—A x D* Table 22. Speed				6 3/4 AND 10/12 KNOTS.
" " " " brdth. & thickness						" Main-Piece, diameter at head				11 1/2 ✓ 11 1/2
" " " " No. of Side Stringers " "						" " " " at heel				8 1/2 ✓ 8 1/2
" " " " Size of Face Angles to Web-Frames.....										
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....										

BULKHEADS.	Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up, state deck.
			Horizontal.		Vertical.			
	Vessel.	Per Rule.	Inches.	Size, Spacing.	Inches.	Size, Spacing.	Inches.	
W.T. BULKHEADS	15	7	50/38	10 x 3-4	80	30 x 41	10' 0"	DOUBLE UP DK
				40 C		29 x 41	17' 6"	74' TO 2ND DK.
				6 x 8-5 x 35 C				
" AFT. PEAK			44/38	AND STIFFENED AS PER APPROVED PLAN				SINGLE UP DK
" COLLISION "			50/41	BY BKTS. & STIFFENERS AS PER APPROVED PLAN				SINGLE UP DK
PARTITION "			50/38	10 x 3-4	80	30 x 41	17' 6"	DOUBLE
LONGITUDINAL				40 C				

RUDDER, how constructed		BUILT FORGING
Thickness of Plates or Single Plate		1 1/8 ✓
Can the Rudder be unshipped afloat?		YES ✓

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.? OPEN HEARTH.

LACKAWANNA STL CO. AND ILLINOIS STL CO.

Are the outside Plates doubled two spaces of Frames in length? No. LONGT. FRAM. ✓
Are the Sluice Valves and Watertight Doors in efficient working order? NONE ✓

Has the Steel been tested as required by the Rules? YES ✓

PLATING.							RIVETING.										
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged? ORDINARY.				BUTTS.						
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL.....	48	99	69	69	48	99	DOUBLE	6 3/4	1 1/8	4 1/2	3 R. FORE 1/4	1 1/8	3 3/8	2 1/2	66	✓	✓
GARBOARD OR A Strake		62	46	46		62		5 1/4	7/8	3 1/8	4 R. TO 3 R	7/8	3 1/2			12	FULL
State actual thickness in way of Double Bottom.																	
B "																	
C "																	
D "																	
E "																	
F "																	
G "		60	44	44		60					3 R.		3 1/8			9	
H "																	
J "								6	1	3 1/2							
K "	82	80				80		6 3/4	1 1/8	4 1/2	4 R. TO 3 R	1	4			14	
SHEER STRAKE L	57	1.00			57	1.00					3 R. STRAPS 1 1/8	4	2 1/2	66	✓	16	
M											TO 4 R LAPS						
N																	
O																	
P																	
Q																	
R																	
S																	
T																	
U																	
V																	
W																	
THICKNESS OF SHEER STRAKE	✓																
CLEAR OF LONG BRIDGE	✓																
DO. OF STRAKE BELOW	✓																
DBLG. of Flat Plate Keel																	
" Sheerstrakes																	
Length and thickness.																	
POOP SIDES				38		38	SINGLE	37	3/4	3	DOUBLE	3/4	2 5/8	✓	✓	5	FULL
SHORT BRIDGE SIDES		42				42	DOUBLE	5 1/4	7/8	3 1/2	TREBLE	7/8	3 1/8	✓	✓	9	
FORECASTLE SIDES			41			38	SINGLE	3	3/4	3	DOUBLE	3/4	2 5/8	✓	✓	5	

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck	Butts, QUAD: riveted for TO TREBLE	length amidship.	Butts of Side Stringers	✓	riveted.
Stringer Plate	Straps, single, double or overlapped for	length amidship.	" Tie Plates	✓	riveted.
Second Deck	Butts, TREBLE riveted for TO DOUBLE	length amidship.	Inner Bottom Plating, riveting of Edges	DOUBLE	Butts DOUBLE
Stringer Plate	Straps, single or overlapped for	length amidship.	Centre Girder Butts, TREBLE	✓	Keelson Butts, ✓
			Frames, riveted through Plates with 7/8 in. Rivets, about	AS PER PAGE 4	apart.
			Rivets, state whether Iron or Steel	STEEL	

FRAMES extend in one length from LONGITUDINAL to FRAMING. State if ordinary or jogged ORDINARY.
REVERSED FRAMES on floors and frames extend from ✓ State if ordinary or jogged ✓

MASTS, SPARS, &c.

	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.		
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.	
LOWER MASTS.....	Fore	STEEL	51' 3"	23 1/2 x 34	23 1/2 x 34	20 1/2 x 34	19 x 34	TWO	✓	✓	SINGLE	TREBLE
	Main		52' 10"						✓	✓		
	Mizen								✓	✓		
Bowsprit ✓												
Topmasts, Yards and Remainder of Spars	P. PINE.											
Rigging, Material and Size, Shrouds	3/4											
Sails.	✓ Suit of											

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EQUIPMENT																	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				WEIGHT REQUIRED BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
582.	1st Bower	64.	0.	8.	Stockless	50.	12.	2.	0.	68.	3.	0.	0.	Baldt.	Columbia & Co., Pittsburg.	17/11/20. C. Lawson.	
581.	2nd "	59.	1.	6.	"	47.	18.	0.	14.	59.	0.	14.	0.	"	"	"	
580.	3rd "	58.	1.	14.	"	47.	8.	2.	0.	59.	0.	14.	0.	"	"	"	
	4th "																
	Collective weight.	181.	3.	0.						182.	0.	0.	0.				
586.	Stream	17.	0.	14.	4.	1.	18.	18.	6.	2.	14.	17.	2.	0.	Rogen.		
587.	Kedge	7.	3.	12.	2.	0.	8.	10.	0.	1.	7.	7.	2.	0.		12/1/21.	

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	64.	0.	8.	A.W.L.	582.	17/11/20.	KEDGE.	587.	7.	3.	12.	A.W.L.	12/1/21.
2nd "	59.	1.	6.	A.W.L.	581.	17/11/20.							
3rd "	58.	1.	14.	A.W.L.	580.	17/11/20.							
4th Stream	17.	0.	14.	A.W.L.	586.	12/1/21.							

CHAIN CABLES.														HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE		Length and size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and size per Table 31.									
	Fathoms.	Ins.		Supplied.	Per Rule.						Fathoms.	Ins.		Fathoms.	Ins.								
187.	270	2 1/4	9 1/8	127 1/2	7 1/2	2 1/4	Stud.	Seattle Chain Co.	Seattle.	9/12/20.	TOWLINE	120	5	66	120	5							
											HAWSERS & WARPS	2-90	8	11 1/4	2-90	8							
												2-90	7	"	2-90	7							

1st Stream Chain on Steel Wire 90 4 3/4 63 90 4 3/4

Boats FOUR.

Pumps, Number 95. PER PUMPING PLAN.

Windlass is STEAM. BY PACIFIC MACH. SHOP CO. SEATTLE. Capstan ✓

Engine Room Skylights.—How constructed? STEEL PLATES & ANGLES. What arrangements for deadlights in bad weather? STEEL FLAPS & BOLLS EYES.

Coal Bunker Openings.—How constructed? " " " How are lids secured? BY CLEATS & BATTENS. Height above deck? 24".

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 SCUPPERS EACH SIDE & 11. FREEING PORTS EACH. 2' 11" x 21".

Ceiling in Holds, thickness and material ✓

Cargo Hatchways.—How formed? STEEL PLATES & ANGLES. Cargo Batts, thickness and material ✓

State size No. 1 Hatch (Forward) 10' 0" x 8' 0". AND OIL HATCHWAYS. AS PER APPROVED PLANS. Hatches, If strong and efficient? YES.

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. 2 Hatch ✓ No. 3 Hatch ✓ No. 4 Hatch ✓

Bulwarks, height above deck and description STEEL PLATE. 42" x 31". No. of Breasthooks ELEVEN. No. of Crutches DEEP FLOORS.

The foregoing is a correct description. Main Rail, material and size 6 x 3.5 x 3.5 x 35" C.

Builder's Signature (there only) Union Construction Co. by H. G. Peake v. Pres. Surveyor's Signature A.P.W. W. Rab

Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

NEW YORK. 4/6/20 2/7/20 19/7/20 28/7/20 3/9/20 27/9/20 2/12/20 22/1/21 24/1/21 11/3/21 12/4/21 14/4/21 29/4/21 11/5/21.

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED WHERE PRACTICABLE LONDON. M. 27/4/21 29/4/21. P.M.C. 30/3/21 31/3/21.

Is the riveted work properly closed? YES.

Are the liners between the frames and plates solid single pieces? LONGITUDINAL FRAMING. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? YES.

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? YES.

Are the butts of Plating, Stringers, &c., properly shifted and overlapped? YES.

Do any rivets break into or through the seams or butts of the plating? A FEW.

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? YES. State results of tests SATISFACTORY.

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? YES. State results of tests SATISFACTORY.

General Remarks (State quality of workmanship, &c.) THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS AND THE RULES OF THIS SOCIETY. THE MATERIALS & WORKMANSHIP ARE OF GOOD QUALITY. ✓

THE CARGO TANKS, OIL FUEL TANKS, COFFERDAMS AND WATER BALLAST TANKS HAVE ALL BEEN TESTED AS REQUIRED BY THE RULES AND FOUND SATISFACTORY. ✓

NOTE. THE TONNAGES DETAILED ON THE REPORT WERE MADE OUT IN THIS OFFICE AT THE REQUEST OF THE OWNERS THROUGH THE BRITISH CONSUL GENERAL AND PROVISIONAL TONNAGE CERTIFICATES ISSUED TO THEM.

A SEPERATE ACCOUNT OF \$200.00. HAS BEEN RENDERED TO THE OWNERS FOR THIS SERVICE.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

Plans to be forwarded with F.E. Report showing vessel as built.

FREEBOARD FEE. 80. 00 Fees applied for,

The amount of Entry Fee \$ 45. 00 June 9, 1921

Special Survey Fee ... 25.88: 05 Received by me,

Travelling Expenses, if any : : 5/9/21

Certificate to be sent to Date of issue 13.7.21.

State whether the Vessel has been built under Special Survey YES.

I am of opinion this Vessel should be Classed 100 A.I. "CARRYING PETROLEUM IN BULK" A.P.W. W. Rab

With, or without Freeboard, as condition of Class WITHOUT. LONGITUDINAL FRAMING. Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York JUN 21 1921 FRI AUG. 26 1921

Character assigned +100A1 FRI SEP. 8 1922

Note A+CP. Comping let in bulk

Equib. 2 + LMC-6.21

Longit framing Fitted for oil fuel

Midly aft 6.21 F above 150°F

Elect light

F.O.

C.L.

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PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spacing. Inch. Inch.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.			
		Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.			Number.	Diameter. Inches.		
Framing of L, L, L, C																			
Frames in Bridge 'tween Decks ...		6	3 1/2	35				6	3 1/2	35				7/8	5 1/4				
Frames from Uppermost Continuous Deck No. 1		6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	7/8	5 1/4	5 1/4	7	7/8	
" 2		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	7	"	
" 3		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	8	"	
" 4		7	3 3/5	43	7	3 3/5	43	7	3 3/5	43	7	3 3/5	43	"	"	"	8	"	
" 5		7	3 4/3	43	7	3 4/3	43	7	3 4/3	43	7	3 4/3	43	"	"	4" FOR 9 RIVETS	8	"	
" 6		8	3 4/1	41	8	3 4/1	41	8	3 4/1	41	8	3 4/1	41	"	"	"	8	"	
" 7		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	10	"	
" 8		10	3 4	40	10	3 4	40	10	3 4	40	10	3 4	40	"	"	3 1/8	10	"	
" 9		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	10	"	
" 10		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	10	"	
" 11		13	4	45	13	4	45	13	4	45	13	4	45	"	"	4"	18	"	
" 12		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	18	"	
" 13		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12	"	
" 14		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12	"	
" 15		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12	"	
" 16		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12	"	
Spacing of Longitudinal Frames		Amidships 30" GIRDER.			40			40			40			40		"		3/4"	
At Ends		30" 17			30" 17			30" 17			30" 17			30" 17		"		3/4"	
Double Bottoms		Tank Top Longitudinals			7 3 4/3 43			7 3 4/3 43			7 3 4/3 43			"		"		"	
" " " "		Bottom			7 3 4/3 43			7 3 4/3 43			7 3 4/3 43			"		"		"	
Spacing of Longitudinals		Amidships			30			30			30			"		"		"	
At Ends...		30			30			30			30			"		"		"	
Transverses.														Rivets in Lugs to Shell Diam. Spacing.					
In Bridge		Depth and Thickness			15 x 38			15 x 38			15 x 38			"		BOTTOM TRANS. 44 x 47			
'tween Decks		Face Angles			4 3 1/2 39			4 3 1/2 38			4 3 1/2 38			"		FACE BAR. 6 x 4 x 62			
Lugs to Shell		3 1/2 3 1/2 37			3 1/2 3 1/2 37			3 1/2 3 1/2 37			3 1/2 3 1/2 37			3/4 3 3/4		LUGS TO SHELL. 6 x 6 x 43			
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness			18 4 1/2 18 21 41			18 4 1/2 18 21 41			18 4 1/2 18 21 41			"		"			
Face Angles		4 3 1/2 43			4 3 1/2 43			4 3 1/2 43			4 3 1/2 43			"		"			
Lugs to Shell		3 1/2 3 1/2 43			3 1/2 3 1/2 43			3 1/2 3 1/2 43			3 1/2 3 1/2 43			7/8 4		"			
In Hold.		Depth and Thickness			28 4 7/8 19 30 47 34 47			28 4 6 19 30 47 34 46			28 4 6 19 30 47 34 46			"		"			
Face Angles		6 4 62			6 4 62			6 4 60			6 4 62			"		"			
Lugs to Shell		6 6 43			6 6 43			6 6 43			6 6 43			7/8 4		DOUBLE, IN WAY OF FORWARD OIL FUEL TANK.			
Brackets		44			44			44			44			"		"			
Spacing of Transverse Frames		8' 8'			8' 8'			8' 8'			8' 8'			"		"			
* State if joggled or liners.		JOGGED			8' 6" 4 1/2 8' 6" 4 1/2			8' 6" 4 1/2 8' 6" 4 1/2			8' 6" 4 1/2 8' 6" 4 1/2			"		"			
Longitudinal Beams of		Bridge Deck			6 3 1/2 35			6 3 1/2 35			6 3 1/2 35			3' 4 1/2		In Ship. Plate. Angles. 11 x 38 6 x 3 1/2 37			
" " "		Awg. or Shltr. Dk.			✓			✓			✓			"		As approved. Plate. Angles. 11 x 37 5 6 x 3 1/2 40			
" " "		Upper			6 3 1/2 35			6 3 1/2 35			6 3 1/2 35			30		Transverse Beams. 11 x 41 4 3 1/2 43 11 x 40 4 3 1/2 37			
" " "		Second			7 3 1/2 313			7 3 1/2 313			7 3 1/2 313			24 1/2 27		20 x 41 6 x 4 1/2 62 20 x 40 6 x 4 1/2 60			
" " "		Third			✓			✓			✓			"		"			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

THE TONNAGES DETAILED ON THE REPORT WERE MADE OUT IN THIS OFFICE AT THE REQUEST OF THE OWNERS THROUGH THE BRITISH CONSUL GENERAL AND

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 110.25 ft., R.Q.D. ☒ ft., Bridge 32.5 ft., Forecastle 56.75 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) 2 DKS (STL) AND WEB FRAMES.

Official No. ☒ ; Signal Letters ☒ State if Machinery is fitted aft YES.

How are the surfaces preserved from oxidation? Inside BY PAINT & ASPHALT. OUTSIDE. OIL TANKS. Outside BY PAINT.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors CELLULAR.

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Fore peak tank,		86.0
Double bottom, under Engines and Boilers, <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		After peak tank,	<input checked="" type="checkbox"/>	89.0
Double bottom, if under Engines only, <u>AFT.</u>	<u>34.0</u>	<u>92.0</u>	Deep tank, aft,		<input checked="" type="checkbox"/>
Double bottom, if under Boilers only, <input checked="" type="checkbox"/>	<u>46.75</u>	<u>138.0</u>	Deep tank, forward,	<u>32.0</u>	<u>328.0</u>
Double bottom, forward, <input checked="" type="checkbox"/>			Other tanks, if fitted,		<input checked="" type="checkbox"/>
Total capacity of double bottom		<u>230.0</u>	(If necessary, furnish further information by sketch.)		

*The wells are not to be included in the lengths of the tanks. 60.75 State whether the above have been tested as required by the Rules. YES.

Order for Special Survey No. 121.

Date

22/6/20.

No.

15.

in builder's yard.

DATE OF SURVEY
held while building

1920. OCT. 25. NOV. 5, 8, 10, 22, 26, 30. DEC. 2, 13, 15, 17, 23, 27, 29.
1921. JAN. 3, 7, 12, 13, 21, 26. FEB. 1, 7, 10, 11, 18, 21, 24, 28. MAR. 1, 3, 10, 11, 12, 17, 22, 23.
APRIL 1, 5, 6, 11, 13, 15, 19, 21, 22, 25, 26, 27, 28. MAY 2, 3, 4, 6, 9, 10, 12, 13, 16, 18, 20.
JUNE 3.

Total No. of Visits

62

Surveyor's Signature

A. W. W. Rab

Lloyd's Register
Foundation